

3-13-1991

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Embry-Riddle Aeronautical University

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Aeronautica.....	B3
Classifieds.....	B7
Comics.....	B5
Notices.....	B6
Space Technology.....	B1

SPACE TECHNOLOGY

Delta II rocket launches with communications satellite

by Joshua S. Muskat
Space Technology Editor

A Delta II expendable launch vehicle carrying the INMARSAT-2 mobile communications satellite blasted off into space last Friday. The \$80 million communications satellite is an identical spacecraft to one that was launched on October 30 and now orbits over the Indian Ocean.

The 125-foot rocket lifted off from Cape Canaveral Air Force Station, launch pad 17-B, at 6:03 p.m. The lift-off of Delta 203 was delayed four minutes because launch controllers had to check out a Coast Guard report that a ship had entered the area where the Delta's boosters rockets were to fall into the Atlantic Ocean. As it

turned out, no ship was present and the countdown proceeded.

Friday's launch became the 203 flight of the Delta in its 31 years, and the 25th consecutive successful launch for McDonnell Douglas in a series stretching back five years. Over the past 14 years and 68 launches, Delta rockets have maintained a 98.5

percent success record. The company was paid about \$50 million for the launch.

Within 45 minutes, the INMARSAT-2 satellite had been pushed into a 22,700 mile by 115 mile orbit around the Earth.

The 3,020 pound satellite's path around the globe will later be stretched into a circular geosynchronous orbit over the Atlantic Ocean. In such an orbit, the satellite will move at the same speed as the Earth's rotation so that the satellite will appear to remain stationary. The satellite measures about 12 feet high. When fully deployed it will span 55 feet from tip to tip.

The two satellites are designed to provide voice and data transmissions for mobile phones and radios on land, on ship at sea and aboard planes in flight.

The western Atlantic region that will be served by the new satellite is one of the most congested parts of the world for mobile communications. The satellite will provide commercial

mobile communications to the Atlantic region including Europe, Africa and eastern North America.

Two additional INMARSAT-2 satellites will be launched later this year. The third satellite in the series will be launched by ArianeSpace in

November 1991 and will be located over the Pacific Ocean coverage region. The fourth will also be launched by ArianeSpace to provide coverage for the Atlantic Ocean-West region.

Most of the approximately 13,000 computer terminals in use by Inmarsat customers are on sea-faring vessels, allowing those on board to call, telex or fax something anywhere in the world. So far 20 units have been installed on planes.

Pilots in airlines fitted with Inmarsat satcoms will be able to communicate anytime, anywhere. Screens in the cockpit display information received via the satcoms link including delays and diversions, weather updates, engine performance and fuel

status, flight crew and passenger status and gate information.

Satellite communications will also be used by passengers to make telephone calls, send and receive facsimiles, electronic mail and other computer communications while in flight.

Also, aircraft performance can be monitored and the information automatically sent to operations centers via the Inmarsat system, allowing aircraft operators to schedule maintenance with maximum efficiency.

After a few weeks of tests, the newest Inmarsat-2 satellite will be maneuvered into its permanent position 22,300 miles above the Atlantic. The spacecraft should be operational in six weeks.

McDonnell Douglas plans three more commercial launches this year; one for NATO, one for GE American Communications and one for Contel. All three launches will take communications satellites into orbit.

The two satellites are designed to provide voice and data transmissions for mobile phones and radios on land, on ship at sea and aboard planes in flight.

Friday's launch became the 203 flight of the Delta in its 31 years, and the 25th consecutive successful launch for McDonnell Douglas ...



Liftoff...
A Delta II rocket clears the tower last Friday evening carrying an INMARSAT-2 communications satellite into orbit.



Scenes from another planet...
The *Magellan* spacecraft continues its mapping mission of Venus. Currently it has mapped more than 60 percent of the surface. A portion of 20 mapping orbits are shown.

Theories describe the creation of Venus

by Dennis Adams
Space Technology Writer

Since September 15, 1990, the *Magellan* spacecraft has been imaging the surface of the planet Venus. Among the many Venesian features *Magellan* is studying is Aphrodite Terra. Aphrodite Terra is a continent-sized highland on Venus which extends nearly two-thirds of the way around the planet. So far only images of the western portion of the continent, called Ovda Regio, can be studied because the process of producing image mosaics lags behind actual data acquisition.

Scientists at NASA's Jet Propulsion Laboratory are using new *Magellan* data to test at least four competing theories on the formation of Aphrodite. All of the leading proponents of each of the theories are part of the science team. Their theories are

based on data produced by the *Pioneer* Venus Radar Mapper and other earlier radar imagery, as well as topographic and gravity data. This information also indicates that the regional topography may be similar to Earth's continents.

The first theory called the "ancient continent" model compares it to lunar and Earth formations where the continent would have formed out of lighter rock that crystallized early and rose above the dense mantle of Venus.

The second theory compares Aphrodite to the mid-ocean ridges of Earth called the "spreading ridge" model. It states new crust would be formed as continents drift apart.

Theory three, the "hot spot" model holds that the equatorial highland were pushed up by hot spots similar to the ones that formed the islands of

Hawaii. Hot spots are large areas of mantle that rise and produce broad domes.

The "mantle downwelling" model, theory four, says Aphrodite is a region caused by a downwelling plume of colder, more dense mantle material which causes the surface crust to compress and thicken. This causes the region to stand higher than the surrounding region.

Solving the mystery of Aphrodite will not be easy, but will help us better understand the origin of Venesian continental regions and will even help us understand our own planet a little better.

On May 15, *Magellan* will complete its mission after mapping more than 80 percent of the planet and finishing a 243 day mission cycle.

Magellan was launched aboard the Space Shuttle *Atlantis* in May of 1989.

Tethered satellite to study atmosphere

by Roland Houle
Space Technology Writer

For years scientists have been doing experiments in the atmosphere and in space. However, the many miles between the highest atmospheric experiments and the lowest earth orbit have been largely ignored. Now, NASA and its Italian counterpart, the Agenzia Spaziale Italiana, are working on a tethered satellite experiment that may expose many unknowns from this region.

This upper region of the atmosphere is largely unknown because it is too high for conventional aircraft to fly in. Likewise, this area is too low for an earth orbit. As a result, the Tethered Satellite Electrodynamic Experiment was developed.

This project will be the first major space experiment involving two tethered bodies being controlled and equipped with data collecting scientific instruments.

The plan is to deploy, control and retrieve an 500 kilogram tethered satellite from the space shuttle's cargo bay. The satellite will house scientific instru-

ments and support instruments such as electrical power, data handling, attitude measurements and control, and an auxiliary propulsion system. The tether will provide the structural connection between the deployer and the satellite and will serve as the communications lines between the two bodies.

The first step in deploying the 1.6 meter spherical satellite will be to extend a 12 meter boom out of the cargo bay with the satellite on it. Then the satellite will be reeled out of a specially configured Spacelab pallet with a specifically designed reel and motor assembly.

The tether is 2.54 mm (0.1 in.) in diameter can extend up to 110 km. It is made of a stranded Nomex core wrapped with a conducting, tin coated copper braid. Next, there is a layer of insulation which is in turn wrapped with a braided Kevlar section and another Nomex braid. The maximum stretch of the tether is 5%.

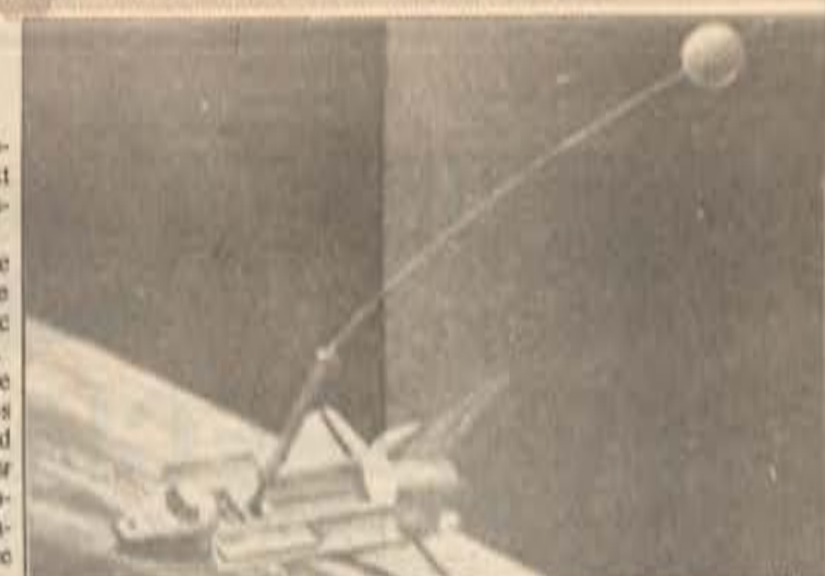
For the first scheduled mission of this reusable system, the tethered satellite will be extended up-

ward 20 km into space from the shuttle bay. The objectives of the mission, scheduled for Spring of next year, are to demonstrate the capabilities of the system by demonstrating it in a 36-hour mission.

During this time, scientists will determine the electromagnetic interaction between the tether/satellite/orbiter system. Also, the dynamic forces acting upon the system will be determined.

In future missions, when the satellite will be deployed toward the earth, the mission objectives will be different. It will further help scientists and engineers to understand the dynamics of the upper atmosphere. This will be important in the development of future spacecraft such as the next generation of space shuttles and the National Aerospace Plane.

Other missions will reveal the feasibility of creating microgravity between tethered bodies and whether electrical power can be created from the conducting tether. This will be useful for applications such as generating power for the Space Station *Freedom*.



Satellite on a string...
The tethered satellite system will be used to study the upper atmosphere, around 50 to 90 miles above the Earth's surface. The first flight is currently scheduled for March 1992.



Going up...
The Space Shuttle *Atlantis* will roll out to the launch pad later this week. Above, the orbiter is hoisted above the external tank and solid rocket boosters.

Discovery returns to OPF for hinge repairs

by Michael D. Fried
Space Technology Writer

NASA again is doing the shuttle shuttle as *Discovery* is rolled back for repairs and *Atlantis* is rolled forward towards launch.

The cracks in the external tank umbilical door hinges have forced NASA to return *Discovery* back to the Orbiter Processing Facility (OPF) for replacement parts. New hinges will be shipped in from the newest shuttle, *Endeavour*, currently under construction in California. The replacement job will take approximately two weeks with *Discovery* expected to be back at the launch pad by early April.

Engineers had also found cracks in *Columbia*'s hinges. However, these parts will be shipped out for a temporary fix with no impact to its processing schedule.

The hinges in question support the drive mechanism that shuts the two 50 square-inch umbilical doors after the external tank has separated from the orbiter about nine minutes after

launch. It is through these openings in the orbiter's belly that propellant is fed from the tank to the orbiter's three main engines during ascent.

The orbiter, *Atlantis*, was rolled over to the Vertical Assembly Building (VAB) last Friday in preparation for its rollout to the pad. *Atlantis* was also found to have similar cracks, but they are not large enough to pose a threat.

The crack problem has forced NASA to take another blow to the shuttle program. As a result of this setback, NASA will probably have to fly one less mission this year. Currently, there are seven missions planned.

The shuttle interface test is scheduled to be conducted in the VAB. This test will verify the mechanical and electrical connections between the assembled vehicle elements.

The *Atlantis* will be rolled out to the pad this week for its Gamma Ray Observatory mission. This five day mission is planned for early April.

The hinges in question support the drive mechanism that shuts the two 50 square-inch umbilical doors...

Orbiter Update



ATLANTIS...The orbiter *Atlantis* is continuing to undergo preparations for a rollout to pad 39-B on early Friday morning. The vehicle was transferred to the Vehicle Assembly Building (VAB) last Friday. The shuttle was mated to the external tank on Saturday.

Tests of the orbiter systems are being performed in the VAB along with tile work on the bottom of the orbiter.

Atlantis is scheduled to be launched in April with the Gamma Ray Observatory and a space walk.

DISCOVERY...The orbiter *Discovery* is still in the VAB and will be transferred to the orbiter processing facility Thursday morning. The demate of the shuttle will occur today. Once in the orbiter processing facility, the external door hinge mechanism will be replaced with one from *Endeavour*.

The rollback from the launch pad occurred early Friday morning.

Discovery is now scheduled to be launched in late April or early May on an Unclassified Department of Defense mission.

COLUMBIA...The Space Shuttle *Columbia* is currently in orbiter processing facility bay 1 undergoing preparations for its next flight. The external tank umbilical door drive mechanism was removed and shipped to the Rockwell plant in California on Saturday. The removal of the mechanism will not effect *Columbia*'s preparations for launch. The solid rocket booster stacking operations for STS-40 will take place in the VAB following the rollout of *Atlantis*.

Columbia is scheduled to be launched in May with the Spacelab Life Sciences 1 payload.

ENDEAVOUR...The space shuttle *Endeavour*, currently under construction at Rockwell facilities in Downey and Palmdale, California. Construction on the vehicle is more than 90 percent complete, and is scheduled to be delivered in May to the Kennedy Space Center.

Endeavour will be the first shuttle to have a drag chute to aid deceleration and reduce loads on the landing gear and brakes. Also, *Endeavour* is being designed to accommodate an extended duration mission capability in the future that will enable it to remain in orbit for up to 28 at a time.

Endeavour will make its inaugural flight in May 1992.

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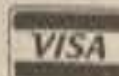
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AOPA and ALPA work to reduce random drug testing

by Frances L. Cozza
Aeronautica Writer

Recently, AOPA and ALPA have taken a stand in the random drug testing administered by the Department of Transportation.

In a news release, FAA Administrator, James B. Busey said that the nation's travelers have a right to expect a drug-free aviation system. "These statistics indicate that drug use in aviation is not widespread, but even one drug user is too many and will not be tolerated."

Between January 1, 1990, and June 30, 1990, 120,642 drug tests were conducted. They showed a low level of drug use

by individuals in safety and security-related positions, however it showed positive findings in 561 cases which was only 47% of the test. The FAA said 345 of the 561 positive findings resulted from pre-employment tests, which make up 61.5%.

The testing program includes pilots, mechanics,

flight attendants, airport security screening personnel, flight engineers and aircraft dispatchers. The 120,000 drug tests were conducted to employees and job applicants at large and medium size aviation companies.

AOPA views that mandatory drug testing should only include operators regulated under FAR Parts 121 or 135. Individuals engaged in flight instruction, aircraft ferrying, and other flight training and aerial activities, while compensated, pose no threat to the general public.

AOPA President Phil Boyer congratulated James Busey for his continuing investigation of the drug testing issue and for determining that changes to the final

rule were needed.

ALPA is against random drug testing because of the low percent of flight crew that tested positive. In addition, it poses an expense that is not necessary. They do agree, however that pre-employment, post accident, and reasonable cause testing is jus-

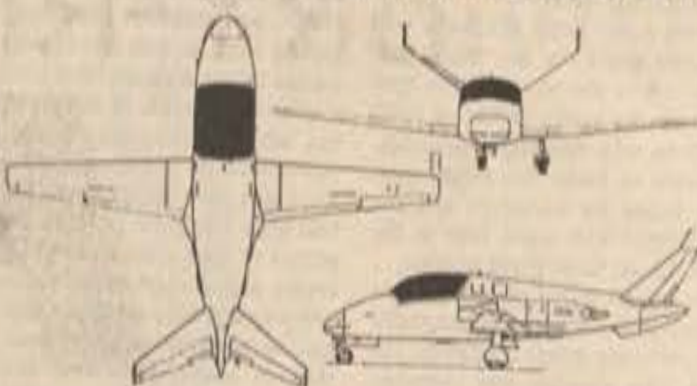
tified for flight crews.

In other news from AOPA, the future of general aviation is not as bleak as some predict, but many problems remain to be solved, according to Phil Boyer, President of AOPA. Boyer also said that the 35 million hours flown in 1989 by general aviation was the highest number of hours flown by the industry since 1984, and that more instructional flying was conducted in 1989 than in any year since 1977.

Many improvements need to be made to the aviation system before general aviation and all of the aviation industry can grow. A top priority is to free the billions of dollars in the aviation trust fund and use it to make much needed improvements in the air traffic control system and relieve airport congestion and access problems.

Another area of concern is the strong need for a National Noise Policy to maintain the utility of and access to the nation's airports. Local noise restrictions without federal approval have created a hodgepodge of local regulations. Federal oversight of local noise restrictions must be established before the system loses its accessibility and utility.

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Letters

(continued from page 1)

will only cause extra training flights for the students.

I personally hope this letter will do some good for the flight program. All of the students I've spoken with are ready to start a committee to help this flight program. We want to make this flight program better for ourselves and for the students who come here in the future for the same flight training.

We are all proud of being flight students at Embry-Riddle and really do want to see things change for the better. One question that everyone is asking is why the Flight Department Staff is not doing anything to resolve these problems. In section 1.1 of the Flight Operations Manual, it says any problems should be brought to the attention of the Department Chairman. Since you are the Chairman and are responsible for all facets of the flight training program, we are counting on you to straighten out our problems. We all hope to see a change or at least a little progress by the beginning of Fall 1991.

Name withheld by request

To the Editor:

One of the great additions to student life at Embry-Riddle has to be the development of varsity athletic programs.

Through developing these programs, students have the opportunity to create and become a part of a winning tradition. The experiences gained by having such programs goes beyond the direct impact of players and their scholarships, but has far reaching, intense and long lasting effects on school spirit, teamwork and motivation.

An appalling statistic is the high amount of students who drop out of Embry-Riddle. For several reasons, they seem to slip through the cracks; cracks caused by poor school spirit, poor sense of belonging and support.

When I remember entering Embry-Riddle in September of 1988, I think of feeling proud and determined. The troubling part is the droves of students who have left. We miss them. I wish that there had been more here for them, more here to believe in, to work for and to achieve with.

For some, it was a positive step

they took, but I believe that unfortunate circumstances have also arisen; and although gone now, we should work to find and correct the causes of this high attrition level.

A great example of the growth in our athletics programs is the improvement in the basketball team since last year. Because the basketball team has gone from an overall record of four wins and twenty-six losses and a conference record of one win and thirteen losses last season, to an unprecedented truth this year of twenty-two wins and six losses overall and eleven wins and two losses in conference; more students are becoming aware of the program and can feel a sense of pride.

The basketball team's success comes from a variety of factors, one great benefactor as Coach Ridder mentioned at the Pep Rally is the University administration. Dean Rockett adamantly supported it to the university and Student Government Association's Student Representative Board last year.

Because of the hard work of Dean Rockett, Dean Kelley, Coach Ridder, Mr. Fisher and the rest of the athletes and advocates, the program has been given the ability to begin. And in this strong beginning, it has surpassed any expectations anyone had a year ago and should set the seeds for great days to come.

John Luke
Box 7089

Editors note: The staff of the Avion Collegiate Newspaper likes the opinions that students, staff, faculty, and other concerned persons submit to us.

By stating opinions for the public forum, changes and solutions begin to be talked about amongst the electorate. This is assisted by the space allotted each week for the letters to the editor section in the newspaper.

A point must be made though, that these letters are not necessarily the opinions of the Avion. This does not mean that they will not be printed, only that the submitted correspondence must have a name and signature on the document. This is done, because not only does the Avion have opinions which it expresses, but the people of Embry-Riddle have their own opinions.

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ATTENTION CONTINUING STUDENTS

1991 - 1992 University Housing Sign-up

1991-92 Housing contracts will be available March 4 to 15 in the Housing office, in Residence Hall II, Suite 278. All contracts must include a \$150 prepayment, paid and validated at the Cashiers office. Deadline for housing sign-up is March 15. Contracts from continuing students will be randomly selected for available spaces. Contracts received after March 15 will be placed on a secondary waiting list.

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FAA Pilot Written Examination Schedules

Embry-Riddle Aeronautical University will administer FAA Pilot and/or Instructor Written Examinations for all pilot licenses, the (ATP 121) Airline Transport Pilot - Airplane, and (ATA 135) Airline Transport Pilot - Airplane.

The test dates are Oct. 20th, Saturday, at 9 a.m. in room G-105, in the GRW Complex and on Oct. 24 and 31, Wednesdays, at 9 a.m. in room H-115, in the GRW Complex.

Students intending to take an FAA Pilot Written Examination are required to sign up in Office H-119 or call extension 6830 prior to the examination day.

At the time of the examination, each student must present a receipt for the pilot exam fee, validated by the Cashier's office; a Written authorization form signed by an appropriate Aeronautical Science Ground Instructor, or the failed results of a previous FAA written examination, and present as personal identification an Airmen Certificate, driver's license, or other official document.

Explanations of appropriate forms and procedures will be given. Immediately thereafter, testing will commence and unless prior arrangements have been made, late examinees will not be permitted to enter the examining area while testing is in progress.

Ground training computer testing available

ERAU is now giving ground training final exams for the private, commercial, and instrument flight courses by computer. Students completing the final exam by computer will be graduated under ERAU written self-examining authority and will not be required to take an FAA Written exam. Anyone already having passed an FAA Written will not be able to substitute it for the computer exam.

The computer testing lab is in "H" building and is outfitted to test seventeen students at a time. The tests will be given Monday through Thursday 0830 to 1630 (completed by 1630). There will be no testing on Fridays. Students have the option of signing up in person with the Flight Records Office (H-119), or by calling ext. 6828. The appropriate test must be taken within 7 testing days of the last ground lab class to prevent flight course delays.

SGA Student Open Forum

On Thursday March 14th, there will be a student open forum in the landing strip conference room from 1:15 to 2:00 p.m.

Refreshments will be served to all who attend. If you have a concern, come and talk to the SGA directly.

Mandatory meeting notice for seniors loans

If you were awarded student loans as part of your financial aid package while in attendance at Embry-Riddle, Federal Regulations require that you complete an Exit Interview prior to leaving the University. For those students who received monies from the Stafford/GSL programs ONLY, a separate Exit Interview session will be scheduled through the Financial Aid Office. Further information will be provided at a later date for these students, or you may call the Financial Aid Office for further details. However, if you are a recipient of the Perkins/NDSL or REAL loan programs alone or in conjunction with a Stafford/GSL, you are required to complete the EXIT INTERVIEW conducted by the University Collections office.

The EXIT INTERVIEW provides you with important information concerning repayment terms regarding these loan programs. It is especially important that you complete an EXIT INTERVIEW if you are a borrower from multiple loan programs where the loan program terms and provisions differ from one another. It will be necessary for you to know in advance how entering into "multiple loan repayment" will affect you.

Please contact the University Collections Office at 239-6040 to schedule your appointment for an EXIT INTERVIEW.

Schedule For Current Semester Meetings:

DATE/ TIME	
Monday, March 18	3:30 p.m.
Tuesday, March 19	8:30 a.m.
Wednesday, March 20	3:30 p.m.
Thursday, March 21	11:00 a.m.
Friday, March 22	3:30 a.m.

All above sessions will be held in the John Paul Riddle Student Center (located at the main entrance of the University Center).

ACROSS

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6 Inches
11 Shaded
13 Deputies
15 Baby's name
16 Motors
18 Sun god
19 To come to
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22 Caudal
24 Singer
26 Search for
28 Watering place
29 Checks
31 Emerged into
33 Reversed: abbr.
34 Tiny particles
36 Walk

- 38 Senior: abbr.
40 Mast
42 Lanes through
45 Stroke
47 Portico
48 Challenge
50 Send forth
52 Story
54 Concerning
55 Forenoon
56 Unproductive
58 Symbol for
tallium
61 Mend
63 Cancel
65 Men's with
cotton
66 Printer's
measure
67 Breed of
pheasants

DOWN

- 1 Devoured

The Weekly Crossword Puzzle



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- 7 Mature
8 Bird's home
9 Symbol for
thoron
10 Band of color
12 Symbol for
tellurium
14 Dinner course
17 Arrow poison
20 Lamb's pen
name
23 Equal degree
24 Teutonic deity
25 Ennate
27 Outfit
30 Soak up
32 Want
35 Substances
37 Fruit
38 Lame
39 Bullied against
41 Bellow
43 Comedy
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48 Animated
51 Former Russian
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53 Verve
57 Metal
58 Half an even
60 Organ of sight
62 Ma's partner
64 Sign on door

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→ Misc. for sale

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Anyone going to Tampa March 15-17th? If so, I need a ride. Please contact Julie Roy at 252-9401 or at box 1394. I will pay 1/2 gas. Thanks.

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SCUBA Certifications: PADI and IAND (safe air Nitrox). See Jan at the Scuba Club meetings or call 761-2021.

FOR SALE-Lamp floor to ceiling, \$10; stereo record player combo, \$30. Call Tim 274-4447

ATTENTION HOCKEY PLAYERS-I am looking for people who are interested in playing in an ice hockey league in Orlando next fall. If you are interested please leave your name and number where you can be reached in box 8838 or call 238-0120. Ask for Mike. If there is enough interest a school club might be formed.

FOR SALE: Windsurfing equipment: 9'6" Sitarand salom board, North 2 piece aluminum mast, North clamp-on boom, Nauteic clamp-on boom, Clever 7.5 sail, North 5.0 sail, fin, mastbase, harness, harness lines, everything but board like new, all for \$800. Call Ed 788-1658 evenings or box 3012.

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→ Roommates

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→ Personals

TO EVERY FEMALE ERAU STUDENT Why do you equate common courtesy with physical attraction? Just because we open a door for you does not mean we want to go to bed with you. There are still some gentlemen left in this world, so please don't misunderstand our courtesy. THE FOUR GENTLEMEN

TO EVERY ERAU MALE AND FEMALE STUDENT WHO DID NOT GIFT IT I'm sorry my joke offended you. Now the charades of this society must stop.

HEY WILD WEST Just because I'm not around all the time doesn't mean I don't love ya! M.C. SHAN

ALICIA Thanks for the best evening all semester. FENCER #1

PRD Anytime, day or night, you make the time and place, we'll break the record and maybe set a new one. THE BEARER OF GIFTS

SPIC Are you ready for pork butt? I'll be no alert. You never know when she may flop in again!! M.H.L.P. M.F.

WOODY Skies turn pink just before sunset when all the women come out and all the "blue skies" little boys go home to bed (by themselves)...

THE BEST OF THE BETTER

TO FID UP AND LEAVING "Good!!!!" T.

TO THE FEMALE STUDENT WHO RESISTS COMMON COURTESY FROM THE MALE STUDENTS Don't take it personally, I'm sure they were only being nice and have absolutely no interest in a wench like you! A REAL WOMAN

ROBIN I hoped to see you again and maybe dance the tango again. No one else dances nearly as well as you. I suppose it was not to be, maybe next time I visit?

TO FUNKY SHORTS Inconceivable! Yeah, yeah, yeah, get the keys! I'M STUCK

MICKY The girls really expressed their artistic talents on you the other night. Too bad no pictures. M.H.L.P. M.F.

KIMBERLY (DORM GIRL) Special favors come in 31 flavors; I'm out of mints, so pass the lifesavers; I'm trading favors for favors; kisses from a candy coated tongue. Please be waiting for me. THE HOODLUM

TO FUNKY SHORTS Define "IT" HOT LADY

FENCER #2 Touche 3-2. FENCER #1

DINKY It's been a while since the pharisee with the Canadians, but don't worry, Spring Break is here and we shall fill those empty slots in the 1120 bed room. SLEEPY THE SCAMMER

THE ATOMIC PLAYBOY I know exactly what you want but I just can't fashion the concept. Stop nagging me or we'll loose what we have now. TRIXIE

THE SCRATCHER You can't win without TROI. So why try? MR. THREE YEARS

WANTED One real woman. Oop! Sorry, wrong university. FID UP AND LEAVING!

SCOTT: ALIAS ("WOODY") If God wanted you to have women, you wouldn't be at Riddle. Women Pilots, making male pilots obsolete! HA

CLASSIFIED AD POLICY

- Non-commercial classified advertising and personals are free to the student body, faculty and staff of Embry-Riddle with a 35 word limit.
- All other non-commercial advertising is \$10 with a 35 word limit. Each additional word is 10 cents.
- Commercial advertising is available through the Avion advertising department.
- Classified advertising is carried out by filling out a classified ad card in the Avion office.
- Only one classified ad per card. Name and address of advertiser must be included for the ad to run.
- Only paid ads will run for two issues and may be renewed by filling out another classified ad card.
- No classified ads will be accepted over the phone.
- For more information, stop by or call the Avion office at (904) 239-6049.

TO ROOM 256 Beware of men in black robes. Understand?

TO DISCRIMINATING ERAU FEMALES So you want to be left alone? No problem. . . your arms aren't the only things that are starting to sag. I wouldn't worry too about comments from guys because as soon as those wrinkles turn to rolls all comments of disgust. PLEDGE FROM HELL!

Happy Birthday Kristin! Hope "the birthday party" works out for you if you know what I mean, hopefully you'll get what (or shall I say who) you want. If not I know a secret admirer and I'll hook you up! Have a blast YOUR BIG SISTER

What's my favorite sound? Books - Books - Books! LWOC

MR. THREE YEARS Why can't I have your balls, You haven't been using them lately. But with that stick action I wonder sometimes. POOL PAL

SPIDERMAN AND FLASH You missed Toni's B-day party, how sad! One of you owes me lots of physics homework and one of you owes me - - - (I don't mean Morrison's either) Pay up! WONDER WOMAN

Happy Birthday Sigma Chi, we love you! THE LITTLE SIOMAS

HEY THUMPER We gotta get Couch, Hose, Cheese, Bouda Swinging Slayer, a case or two, a few air headed Spring Breakers together at the same time in 1102 #2. Soon!! SLEEPY THE HOST

MARINER Try this one: The many men, so beautiful! And they all dead did lie! And a thousand slimy things lives on; and so did I. ONE OF THREE

TO FENCER #S 1 AND 2 Congratulations!!!!!! Unanimous decision!!!! See you on the strip. PINCUSHION

TO ALL ERAU STRIKE EAGLES We're a club!!!!!! Let's go kill UCF!!!!!! (in a few years maybe) PINCUSHION

TO THE BITCHY GIRL WHO OPENS HER OWN DOORS Be careful not to scratch your smelly, upturned nose on the ceiling, don't get stuck in the doorway with your inflated ego, and above all try not to let your spoiled, self-centered attitude keep you from understanding a nice gesture. Kindness used to be welcome in our society. Then we all went to Riddle. A PREVIOUS GENTLEMAN FART ON HIS WAY TO THE PRIESTHOOD

TO GOGGLES: Is that beer in your hair? Take us now or forever lose out on pure ecstasy. Isn't it our turn? #46 and #47

MIRIAM Glad things are back to normal? Your tapes were getting dirty, & my ice cream was melting. Love ya. THE PERFECT ROOMMATE?

TO THE ALCOHOLIC! How about some strip biz boza? Then again maybe not? THE LOVE GODDESS AND THE BIT- FROM HIM-

What is normal?

FLASH When you lose the rest of your hair what are you going to do with your comb? Is that why you want to grow a moustache? Just wondering. What's this I hear about you and a/ses budding or something like that? SPIDERMAN AND W.W.

WHEELIE-DEE, Only 45 days left in the big countdown! We need to celebrate... Quincy's? TWHEELIE-DUM

TO ALL SIGMA CHI BROTHERS, ALUMNI, PLEDGES, AND LIL SIGMAS: HAPPY "20TH" BIRTHDAY HTA JOTA!!!!!! Love Shana & Janet

TO OTHER POOL PAL Can I have my balls back? I might want to use them; unless you want to??? MR. THREE YEARS

TO THE GIRL WITH THE WANTED One real woman. OOPS! Sorry, wrong university. FID UP AND LEAVING

JOE POOL Stop picking on other people's balls. Just because your balls are smaller and weaker. P.S. I was serious about the piano wire. THE OTHER POOL PAL

YOU SHANNON I've got a chemistry equation for you (Shannon)? = I frustrated lab Assistant!! THE OTHER SHANNON

TO MIN AT MY FEET You shouldn't deny your true feelings. You ought get STUCK!! NUMBER ONE

TO THE ANCIENT MARINER What other classics do you know? A WEDDING GUEST

ANCIENT MARINER If you know something that would benefit a lost soul, why do you hide it in the words? IN NEED

TO PICARD Bowling, bowling, let's go bowling!!! TROI

TO WHOMEVER WROTE "TO EVERY MALE ERAU STUDENT" I second the motion. Thank you. ANOTHER RIDDLE CHICK WITH WEAK ARMS

TO THE MALE HASSLER I would like to apologize for trying to be courteous. If you don't want to smile because you want to, then go and be stuck up somewhere else. Have a nice day! ISLAND JACK

To my "boys" (you call King-Kong a monkey?!) I have one thing to say: Dixie do ni bo mon in e ni co sto on - sca be lun pedan to a rum. Et in sakula take u la ris- Love You.

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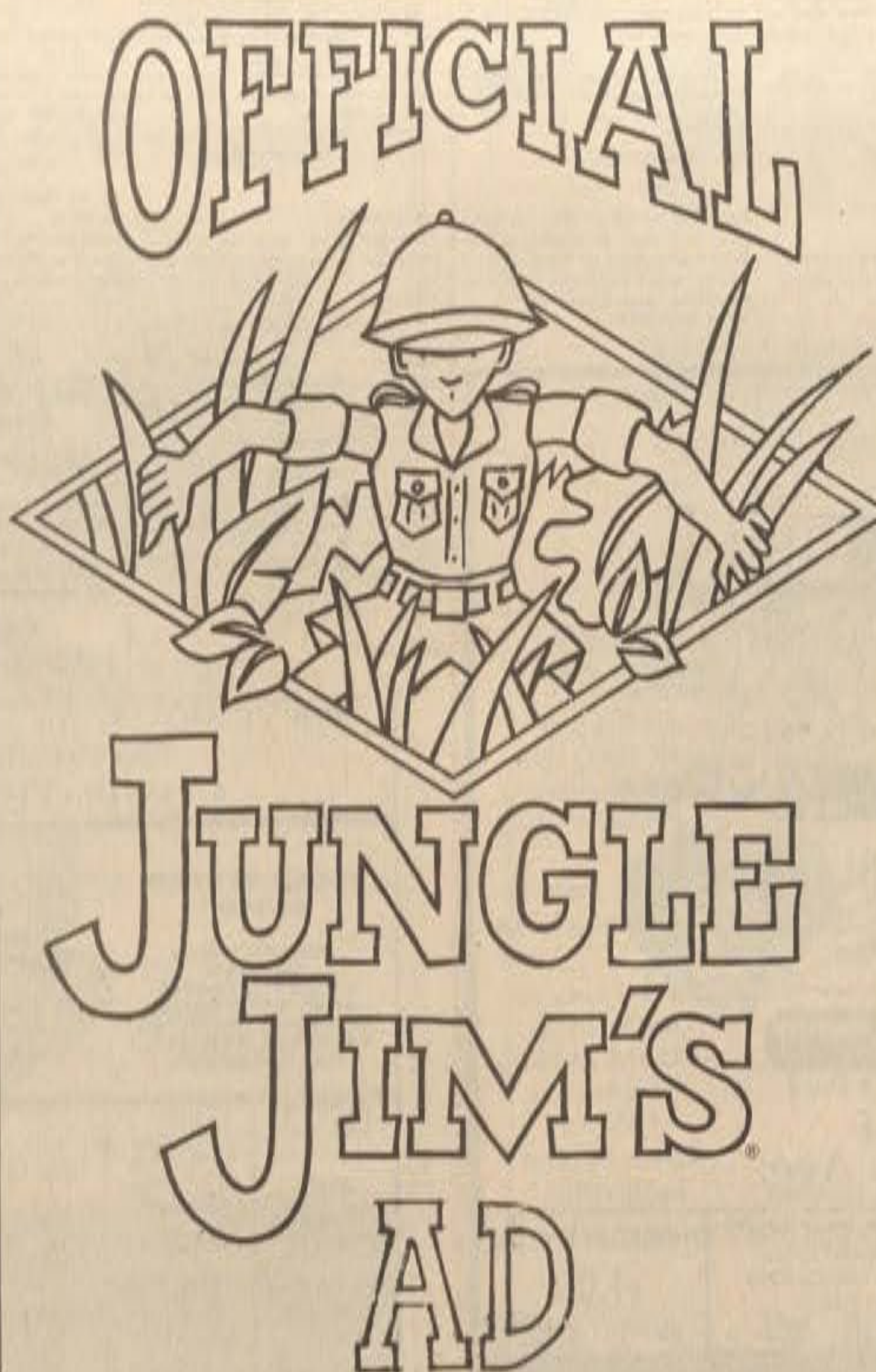
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The Drink, The Myth

THE LEGEND

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